



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/750,939A
Source: FWO
Date Processed by STIC: 4/11/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

DATE: 04/01/2004

PATENT APPLICATION: US/10/750,939A

TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

3 <110> APPLICANT: Niles, Edward
 5 <120> TITLE OF INVENTION: Novel Inhibitors of Poxvirus Replication
 7 <130> FILE REFERENCE: 11520.0333
 9 <140> CURRENT APPLICATION NUMBER: US 10/750,939A
 10 <141> CURRENT FILING DATE: 2004-01-02
 12 <150> PRIOR APPLICATION NUMBER: US/60/437,945
 13 <151> PRIOR FILING DATE: 2003-01-02
 15 <160> NUMBER OF SEQ ID NOS: 20
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 7
 19 <212> TYPE: RNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <221> NAME/KEY: unsure
 24 <222> LOCATION: 6
 25 <223> OTHER INFORMATION: pox virus; n is g,a,u or c
 27 <400> SEQUENCE: 1

W--> 28 uuuuuuu 7

30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 7
 32 <212> TYPE: DNA
 33 <213> ORGANISM: artificial sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: nascent pox virus termination signal
 38 <400> SEQUENCE: 2
 39 ttttttt 7
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 22
 44 <212> TYPE: RNA
 45 <213> ORGANISM: artificial sequence
 47 <220> FEATURE:
 48 <221> NAME/KEY: unsure
 49 <222> LOCATION: 14
 50 <223> OTHER INFORMATION: U5NU-22-mer oligo; n is g,a,u or c
 52 <400> SEQUENCE: 3

W--> 53 gggcgcgcuu uuuuuuugcg uu 22

56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 22
 58 <212> TYPE: RNA
 59 <213> ORGANISM: artificial sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: mutant- 22-mer oligo
 64 <400> SEQUENCE: 4

Does Not Comply
 Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 04/01/2004

PATENT APPLICATION: US/10/750,939A

TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

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65 gggccggcaa uuauuugcg uu 22
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 36
70 <212> TYPE: RNA
71 <213> ORGANISM: artificial sequence
73 <220> FEATURE:
74 <221> NAME/KEY: unsure
75 <222> LOCATION: 23
76 <223> OTHER INFORMATION: pGEM-U5NU-36-mer oligo n is g,a,u or c
78 <400> SEQUENCE: 5
W--> 79 gggcgaaug gggccggcuu uuuuugcg ugaau 36
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 36
84 <212> TYPE: RNA
85 <213> ORGANISM: artificial sequence
87 <220> FEATURE:
W--> 88 <221> NAME/KEY:
89 <222> LOCATION:
90 <223> OTHER INFORMATION: pGEM-Br-U5NU-36-mer; uracils at 8,9,18-26, 30, 31, 35 and
91 36 are brominated
93 <400> SEQUENCE: 6
94 gggcgaaug gggccggcuu uuuuugcg ugaau 36
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: transcription template plasmid oilgo
104 <400> SEQUENCE: 7
105 aattgggccc gctttttttt tgcgttg 27
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 22
110 <212> TYPE: DNA
111 <213> ORGANISM: artificial sequence
113 <220> FEATURE:
W--> 114 <221> NAME/KEY:
115 <222> LOCATION:
116 <223> OTHER INFORMATION: dU5NdU oligo; 9-17 is deoxyuracil
118 <400> SEQUENCE: 8
119 gggccggcuu uuuuugcg uu 22
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 22
124 <212> TYPE: RNA
125 <213> ORGANISM: artificial sequence
127 <220> FEATURE:
W--> 128 <221> NAME/KEY:
129 <222> LOCATION:
130 <223> OTHER INFORMATION: BrdU5NdU oligo; 9-17 is brominated deoxyuracil
132 <400> SEQUENCE: 9

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9-17 (see p. 3)

RAW SEQUENCE LISTING

DATE: 04/01/2004

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Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

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133 gggccggguuuuuuuugcg uu 22
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 22
137 <212> TYPE: DNA
138 <213> ORGANISM: artificial sequence
140 <220> FEATURE:
W--> 141 <221> NAME/KEY:
142 <222> LOCATION:
143 <223> OTHER INFORMATION: T5NT
145 <400> SEQUENCE: 10
146 gggccgggctt tttttttgcg uu 22
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 22
151 <212> TYPE: DNA
152 <213> ORGANISM: artificial sequence
154 <220> FEATURE:
W--> 155 <221> NAME/KEY:
156 <222> LOCATION:
157 <223> OTHER INFORMATION: mutant T5NT
159 <400> SEQUENCE: 11
160 gggccgggcaa ttattatgcg tt 22
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 17
164 <212> TYPE: RNA
165 <213> ORGANISM: artificial sequence
167 <220> FEATURE:
168 <221> NAME/KEY: unsure
169 <222> LOCATION: 10
170 <223> OTHER INFORMATION: U5NU 17-mer oligo; n is a,g,u or c
172 <400> SEQUENCE: 12
W--> 173 cgguuuuuun uuugcgu 17
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 13
177 <212> TYPE: RNA
178 <213> ORGANISM: artificial sequence
180 <220> FEATURE:
181 <221> NAME/KEY: unsure
182 <222> LOCATION: 8
183 <223> OTHER INFORMATION: U5NU-13-mer oligo; n is a,g, u or c
185 <400> SEQUENCE: 13
W--> 186 gcuuuuuuuu ugc 13
189 <210> SEQ ID NO: 14
190 <211> LENGTH: 9
191 <212> TYPE: RNA
192 <213> ORGANISM: artificial sequence
194 <220> FEATURE:
195 <221> NAME/KEY: unsure
196 <222> LOCATION: 7 n is at location 6; 'u' is at location 7 (see p.4)
197 <223> OTHER INFORMATION: U5NU-9-mer oligo; n is a,g,u or c

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RAW SEQUENCE LISTING

DATE: 04/01/2004

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TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

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199 <400> SEQUENCE: 14
W--> 200 uuuuuuuuu 9
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 7
205 <212> TYPE: RNA
206 <213> ORGANISM: artificial sequence
208 <220> FEATURE:
209 <221> NAME/KEY: unsure
210 <222> LOCATION: 6
211 <223> OTHER INFORMATION: U5NU-7-mer oligo; n is a,g,u or c
213 <400> SEQUENCE: 15
W--> 214 uuuuuuuu 7
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 7
219 <212> TYPE: RNA
220 <213> ORGANISM: artificial sequence
222 <220> FEATURE:
W--> 223 <221> NAME/KEY:
224 <222> LOCATION:
225 <223> OTHER INFORMATION: mutant 7-mer
227 <400> SEQUENCE: 16
228 uuuuuau 7
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 22
232 <212> TYPE: DNA
233 <213> ORGANISM: artificial sequence
235 <220> FEATURE:
236 <221> NAME/KEY: unsure
237 <222> LOCATION: 14
238 <223> OTHER INFORMATION: DNA-U9-DNA oligo; n is g,a,u or c; 1-8 and 18-22 are DNA
240 <400> SEQUENCE: 17
W--> 241 gggccggcguu uuuuuuugcg uu 22
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 22
245 <212> TYPE: RNA
246 <213> ORGANISM: artificial sequence
248 <220> FEATURE:
249 <221> NAME/KEY: unsure
250 <222> LOCATION: 14
251 <223> OTHER INFORMATION: 2-prime-O-Me-RNA-PT-U9-2-prime-O-Me-PT-RNA oligo; n is g,a,u
or c; 1-8
252 and 18-22 are 2-prime-O methylated; 1-8 and 17-22 have phoshporthiol bonds
254 <400> SEQUENCE: 18
W--> 255 gggccggcguu uuuuuuugcg uu 22
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 22
259 <212> TYPE: DNA
260 <213> ORGANISM: artificial sequence
262 <220> FEATURE:
263 <221> NAME/KEY: unsure

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RAW SEQUENCE LISTING

DATE: 04/01/2004

PATENT APPLICATION: US/10/750,939A

TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

264 <222> LOCATION: 14
265 <223> OTHER INFORMATION: PT-DNA-U9-PT-DNA oligo; n is g,a,u or c; 1-8 and 18-22
266 are phosphorthiols; 9-17 are RNA
268 <400> SEQUENCE: 19
W--> 269 gggcgggcuu uuuuuuugcg uu 22
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 7
273 <212> TYPE: RNA
274 <213> ORGANISM: artificial sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: U5AU oligo
279 <400> SEQUENCE: 20
280 uuuuauu 7

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:28

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:3; N Pos. 14
Seq#:5; N Pos. 23
Seq#:12; N Pos. 10
Seq#:13; N Pos. 8
Seq#:14; N Pos. 6
Seq#:15; N Pos. 6
Seq#:17; N Pos. 14
Seq#:18; N Pos. 14
Seq#:19; N Pos. 14

VERIFICATION SUMMARY

DATE: 04/01/2004

PATENT APPLICATION: US/10/750,939A

TIME: 14:05:28

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\04012004\J750939A.raw

L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:114 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:128 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:155 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:223 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0